

| | Type | Hits | S arch Text | DBs | Time Stamp | Comments |
|----|----------|------|---|---|---------------------|----------|
| 1 | IS& R | 2 | ("6392217").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/12 14:58 | |
| 2 | BRS | 205 | yoshihiro.in. with izumi.in. and sharp.as. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/15 08:35 | |
| 3 | BRS | 4 | ("5420452" "6020590" "6242746" "6262408").PN. | USPAT | 2003/09/12 14:22 | |
| 4 | BRS | 15 | hughes.as. and x adj ray adj detector\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/12 16:54 | |
| 5 | BRS | 18 | 5379336.URPN. | USPAT | 2003/09/12 15:00 | |
| 6 | BRS | 312 | indium adj bump | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/15 09:20 | |
| 7 | BRS | 17 | 4039833.URPN. | USPAT | 2003/09/12 15:25 | |
| 8 | IS& R | 2 | ("5523628").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/12 16:50 | |
| 9 | BRS | 4 | ("3811186" "4878611" "5214308" "5220200").PN. | USPAT | 2003/09/12 16:50 | |
| 10 | BRS | 35 | 5523628.URPN. | USPAT | 2003/09/12 16:50 | |
| 11 | BRS | 47 | hughes.as. and indium adj bump\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/12 16:56 | |
| 12 | BRS | 0 | alignment adj layer with indium adj bump\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/12 16:56 | |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments |
|----|------|------|---|---|---------------------|----------|
| 13 | BRS | 4477 | alignment adj layer | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/12 16:56 | |
| 14 | BRS | 3 | alignment adj layer and indium adj bump\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/15 10:18 | |
| 15 | BRS | 9 | (TFT or thin adj film adj transistor\$1) and indium adj bump\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/15 08:34 | |
| 16 | BRS | 26 | yoshihiro.in. with izumi.in. and sharp.as. and x-ray | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/15 08:47 | |
| 17 | BRS | 8 | (yoshihiro.in. with izumi.in. and sharp.as. and x-ray) and alignment | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/15 08:48 | |
| 18 | BRS | 5 | ("5420452" "5723866" "5818052" "6020590" "6107618").PN. | USPAT | 2003/09/15 09:07 | |
| 19 | BRS | 14 | 5420452.URPN. | USPAT | 2003/09/15 09:11 | |
| 20 | BRS | 2 | ("4940901" "6091194").PN. | USPAT | 2003/09/15 09:14 | |
| 21 | BRS | 5 | ("5379336" "5420452" "5463216" "5723866" "6035013").PN. | USPAT | 2003/09/15 09:14 | |
| 22 | BRS | 1 | "5990619".PN. | USPAT | 2003/09/15 09:16 | |
| 23 | BRS | 4 | ("5391881" "5574285" "5723866" "6188070").PN. | USPAT | 2003/09/15 09:16 | |
| 24 | BRS | 3 | ("5563421" "5635718" "5895936").PN. | USPAT | 2003/09/15 09:16 | |
| 25 | BRS | 2 | ("4394749" "5379336").PN. | USPAT | 2003/09/15 09:17 | |
| 26 | BRS | 2 | ("5598004" "5780871").PN. | USPAT | 2003/09/15 09:18 | |
| 27 | BRS | 4 | ("5420452" "6020590" "6242746" "6262408").PN. | USPAT | 2003/09/15 09:18 | |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments |
|----|----------|-------|---|---|---------------------|----------|
| 28 | BRS | 7 | indium adj bump and (TFT or thin adj film adj transistor\$1) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/16 10:31 | |
| 29 | BRS | 1 | alignment adj layer with pixel and detector adj (substrate or chip) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/15 10:20 | |
| 30 | BRS | 18 | alignment adj layer with pixel and detector | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/15 10:22 | |
| 31 | BRS | 14 | 5420452.URPN. | USPAT | 2003/09/15 10:23 | |
| 32 | BRS | 598 | alignment adj layer with pixel | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/15 10:26 | |
| 33 | BRS | 0 | sharp.as. with indium | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/15 16:42 | |
| 34 | BRS | 1302 | sharp.as. and indium | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/15 16:42 | |
| 35 | BRS | 22 | sharp.as. and indium and cdte | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/15 16:56 | |
| 36 | BRS | 1 | "5990619".PN. | USPAT | 2003/09/15 16:44 | |
| 37 | IS& R | 2 | ("5420452").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/15 16:57 | |
| 38 | BRS | 29239 | inactive adj matrix or active adj matrix | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/15 16:58 | |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments |
|----|----------|-------|---|---|---------------------|----------|
| 39 | BRS | 7 | inactive adj matrix with active adj matrix | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/15 16:59 | |
| 40 | BRS | 7 | inactive nearl active adj matrix | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/15 17:00 | |
| 41 | BRS | 6082 | active adj matrix with TFT | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/15 17:00 | |
| 42 | BRS | 1 | inactive adj matrix with TFT | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/15 17:02 | |
| 43 | BRS | 207 | passive adj matrix with TFT | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/15 17:03 | |
| 44 | IS& R | 2 | ("5523628").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/16 10:04 | |
| 45 | BRS | 34679 | thermoplastic\$1 with (epoxy or urethane or acrylic) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/16 10:13 | |
| 46 | BRS | 2 | thermoplastic\$1 with (epoxy or urethane or acrylic) same glue adj gun | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/16 10:16 | |
| 47 | BRS | 8 | thermoplastic\$1 same(epoxy or urethane or acrylic) same glue adj gun | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/16 10:17 | |
| 48 | BRS | 1266 | thermoplastic\$1 same(epoxy or urethane or acrylic) same hot adj melt | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/16 10:17 | |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments |
|----|----------|------|---|---|---------------------|----------|
| 49 | BRS | 531 | thermoplastic\$1 with (epoxy or urethane or acrylic) with hot adj melt | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/16 10:18 | |
| 50 | BRS | 77 | indium adj bump and (low adj pressure or evacuated or vacuum) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/16 10:48 | |
| 51 | BRS | 0 | indium adj bump\$1 with conductive adj polyimide | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/16 10:49 | |
| 52 | BRS | 0 | indium adj bump\$1 with conductive adj photoresist | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/16 11:25 | |
| 53 | IS& R | 2 | ("5420452").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/16 11:52 | |
| 54 | BRS | 14 | 5420452.URPN. | USPAT | 2003/09/16 11:25 | |
| 55 | BRS | 24 | 5498880.URPN. | USPAT | 2003/09/16 11:33 | |
| 56 | BRS | 20 | ("2753278" "4413280" "4810881" "4873708" "5127038" "5166524" "5168160" "5254480" "5313066" "5315101" "5319206" "5331179" "5381014" "5498880" "5563421" "5591963" "5641974" "5648660" "5652430" "5658186") .PN. | USPAT | 2003/09/16 11:40 | |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments |
|----|----------|------|---|---|---------------------|----------|
| 57 | BRS | 27 | ("2866903" "3748380" "3973146" "4030922" "4085327" "4134137" "4176275" "4268750" "4446365" "4508966" "4521808" "4535468" "4539591" "4554453" "4663526" "4670765" "4694317" "4818857" "4857723" "4873436" "4961209" "4975935" "5059794" "5127038" "5166524" "5168160" "5182624") .PN. | USPAT | 2003/09/16 11:47 | |
| 58 | BRS | 42 | 5182624.URPN. | USPAT | 2003/09/16 11:49 | |
| 59 | BRS | 173 | (TFT or thin adj film adj transistor) near4 detector\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/16 12:27 | |
| 60 | IS& R | 5 | (("5591963") or ("5563421")) .PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/16 12:28 | |
| 61 | IS& R | 2 | ("5379336") .PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/21 13:06 | |
| 62 | BRS | 748 | readout adj circuitry | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/21 13:07 | |
| 63 | BRS | 39 | readout adj circuitry and (TFT\$1 or thin adj film adj transistor\$1) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/21 13:31 | |
| 64 | BRS | 8 | microbumps with indium | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/21 13:50 | |

| | Type | Hits | Search Text | DBs | Time Stamp | Comments |
|----|----------|-------|--|---|---------------------|----------|
| 65 | IS& R | 4 | ("5812191").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/21 13:50 | |
| 66 | BRS | 28 | ("4245158" "4277684" "4445117" "4725873" "4797562" "4805023" "4806779" "4811371" "4858013" "4980546" "5083016" "5105087" "5117114" "5132796" "5134488" "5140395" "5153420" "5181128" "5245191" "5262871" "5264945" "5379336" "5401952" "5440130" "5488416" "5572257" "5587738" "5629524") .PN. | USPAT | 2003/09/21 13:50 | |
| 67 | BRS | 19 | 5812191.URPN. | USPAT | 2003/09/21 13:50 | |
| 68 | BRS | 18 | bonding adj sheet with spacer\$1 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/21 15:28 | |
| 69 | IS& R | 2 | ("5831710").PN. | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/21 15:30 | |
| 70 | BRS | 42469 | thermoplastic with sheet | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/21 15:46 | |
| 71 | BRS | 6315 | transfer adj film | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/21 15:46 | |
| 72 | BRS | 192 | transfer adj film with (thermo adj plastic or thermoplastic) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/21 15:47 | |

| | Type | Hits | Search Text | DBs | Tim Stamp | Comments |
|----|------|------|--|---|---------------------|----------|
| 73 | BRS | 3 | (transfer adj film with (thermo adj plastic or thermoplastic)) and LCD | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/09/21 15:48 | |